

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark  
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(Box PCT)  
Crystal Plaza 2  
Washington, DC 20231  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

|   |   |
|---|---|
| <b>Date of mailing (day/month/year)</b><br>31 October 1996 (31.10.96)         |   |
| <b>International application No.</b><br>PCT/GB96/00632                        | <b>Applicant's or agent's file reference</b><br>CPW 50075/WO      |
| <b>International filing date (day/month/year)</b><br>19 March 1996 (19.03.96) | <b>Priority date (day/month/year)</b><br>04 April 1995 (04.04.95) |
| <b>Applicant</b><br>WETZEL, Thierry et al                                     |   |

1. The designated Office is hereby notified of its election made:

☒

in the demand filed with the International Preliminary Examining Authority on:

14 October 1996 (14.10.96)

☐

in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was☐

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

H. Zhou

Telephone No.: (41-22) 730.91.11

## PATENT COOPERATION TREATY

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COMMUNICATION OF  
INTERNATIONAL APPLICATIONS

(PCT Article 20)

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Date of mailing:

16 January 1997 (16.01.97)

The International Bureau transmits herewith copies of the international applications having the following international application numbers and international publication numbers:

International application no.:

PCT/GB96/00632

International publication no.:

WO96/31187

**CORRECTED VERSION  
VERSION CORRIGEE**The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra  
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## PATENT COOPERATION TREATY

PCT

COMMUNICATION OF  
INTERNATIONAL APPLICATIONS

(PCT Article 20)

From the INTERNATIONAL BUREAU

To:

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Date of mailing:

13 February 1997 (13.02.97)

The International Bureau transmits herewith copies of the international applications having the following international application numbers and international publication numbers:

International application no.:

PCT/GB96/00632

International publication no.:

WO96/31187

**CORRECTED VERSION  
VERSION CORRIGEE**The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

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Authorized officer:

J. Zahra

Telephone No.: (41-22) 730.91.11



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

|  |   |  |
|--|---|--|
| <b>(51) International Patent Classification 6 :</b><br><b>A61K 7/50</b>  | <b>A3</b>   | <b>(11) International Publication Number:</b> <b>WO 96/31187</b><br><b>(43) International Publication Date:</b> 10 October 1996 (10.10.96) |
| <b>(21) International Application Number:</b> PCT/GB96/00632<br><b>(22) International Filing Date:</b> 19 March 1996 (19.03.96)<br><br><b>(30) Priority Data:</b><br>9506927.4 4 April 1995 (04.04.95) GB<br>9604018.3 27 February 1996 (27.02.96) GB<br><br><b>(71) Applicant (for all designated States except US):</b> IMPERIAL<br>CHEMICAL INDUSTRIES PLC [GB/GB]; Imperial Chem-<br>ical House, Millbank, London SW1P 3JF (GB).<br><br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> WETZEL, Thierry<br>[BE/BE]; 106, rue Gallait, B-1030 Brussels (BE). TAE-<br>L-MAN, Marie, Claire, Leona, Hilda [BE/BE]; Lindestraat 2,<br>B-9790 Wortegem-Petegem (BE).<br><br><b>(74) Agents:</b> ROBERTS, Jonathan, Winstanley et al.; ICI Chemicals<br>& Polymers Ltd., Intellectual Property Dept., P.O. Box 11,<br>The Heath, Runcorn, Cheshire WA7 4QE (GB). | <b>(81) Designated States:</b> AU, BR, CA, CN, HU, JP, KR, MX, PL,<br>US, European patent (AT, BE, CH, DE, DK, ES, FI, FR,<br>GB, GR, IE, IT, LU, MC, NL, PT, SE).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the<br/>claims and to be republished in the event of the receipt of<br/>amendments.</i><br><br><b>(88) Date of publication of the international search report:</b><br>13 February 1997 (13.02.97) |  |

**(54) Title:** SURFACTANT COMPOSITIONS**(57) Abstract**

A stable aqueous foaming surfactant dispersions comprise from 5 to 50 weight % of a surfactant composition comprising at least one foaming surfactant, at least one fatty amphiphile and optionally at least one hydrocolloid; and from 50 to 95 weight % of water and/or at least one foaming surfactant, particularly including at least one anionic surfactant, at least one fatty amphiphile and optionally at least one hydrocolloid, the dispersion also including emulsified therein at least one emollient. Such formulations are particularly useful in the manufacture of 2-in-1 formulations including emollients and/or similar materials. Methods are described for making surfactant formulations especially 2-in-1 formulations particularly using a pre-formed solid blend of foaming surfactant, at least one fatty amphiphile and hydrocolloid.

**FOR THE PURPOSES OF INFORMATION ONLY**

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## INTERNATIONAL SEARCH REPORT

Inv. tional ication No

PCT/GB 96/00632

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 A61K7/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | EP,A,0 485 212 (UNILEVER) 13 May 1992<br><br>see claims 1,2,5,7,12,18,19<br>see page 2, line 11-58<br>see page 3, line 30-37<br><br>---   | 1-8,<br>10-17         |
| X          | WO,A,94 17166 (PROCTER & GAMBLE) 4 August 1994<br><br>see claims 1,4,5,12,14,16,18,19<br>see page 5, paragraph 2<br>see page 6<br>see page 7<br>see page 8, paragraph 3<br>see page 9, paragraph 2<br>see page 11, paragraph 3<br>see page 13, paragraph 5<br>see page 16, paragraph 2<br><br>---<br><br>-/-- | 1-8,<br>10-17         |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

12 December 1996

Date of mailing of the international search report

23. 12. 96

Name and mailing address of the ISA

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NL - 2280 HV Rijswijk  
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Fax (+ 31-70) 340-2040

Authorized officer

Peeters. J

08/930702

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|  |   |  |
|--|---|--|
| Applicant's or agent's file reference<br><b>CPW 50075/WO</b> | <b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. |  |
| International application No.<br><b>PCT/GB 96/ 00632</b>     | International filing date (day/month/year)<br><b>19/03/1996</b>   | (Earliest) Priority Date (day/month/year)<br><b>04/04/1995</b> |
| Applicant<br><b>IMPERIAL CHEMICAL INDUSTRIES PLC et al.</b>  |   |  |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.  
☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (see Box I).
2. ☐ Unity of invention is lacking (see Box II).
3. ☐ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
  - ☐ filed with the international application.
  - ☐ furnished by the applicant separately from the international application,
    - ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
  - ☐ Transcribed by this Authority
4. With regard to the title, ☒ the text is approved as submitted by the applicant.  
☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,
  - ☒ the text is approved as submitted by the applicant.
  - ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International Search Report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:
  - Figure No.            ☐ as suggested by the applicant.
  - ☐ because the applicant failed to suggest a figure.
  - ☐ because this figure better characterizes the invention.
  - ☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 96/00632

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------------------|----------------------------|---------------------|
| EP-A-0485212                              | 13-05-92            | AT-T- 125150               | 15-08-95            |
|   |                     | AU-B- 654154               | 27-10-94            |
|   |                     | AU-A- 8696791              | 14-05-92            |
|   |                     | AU-B- 644031               | 02-12-93            |
|   |                     | AU-A- 8861991              | 11-06-92            |
|   |                     | CA-A- 2054898              | 08-05-92            |
|   |                     | CA-A- 2072754              | 08-05-92            |
|   |                     | DE-D- 69111383             | 24-08-95            |
|   |                     | DE-T- 69111383             | 04-01-96            |
|   |                     | DE-D- 69116677             | 07-03-96            |
|   |                     | DE-T- 69116677             | 20-06-96            |
|   |                     | EP-A- 0509079              | 21-10-92            |
|   |                     | ES-T- 2075366              | 01-10-95            |
|   |                     | ES-T- 2083596              | 16-04-96            |
|   |                     | WO-A- 9208440              | 29-05-92            |
|   |                     | JP-B- 2536800              | 18-09-96            |
|   |                     | JP-A- 4283509              | 08-10-92            |
|   |                     | JP-T- 5503312              | 03-06-93            |
|   |                     | ZA-A- 9108840              | 07-05-93            |
| WO-A-9417166                              | 04-08-94            | CN-A- 1116858              | 14-02-96            |
|   |                     | EP-A- 0689581              | 03-01-96            |
|   |                     | JP-T- 8505875              | 25-06-96            |
| US-A-5248495                              | 28-09-93            | AU-B- 671119               | 15-08-96            |
|   |                     | AU-A- 4044193              | 18-11-93            |
|   |                     | DE-D- 69305507             | 21-11-96            |
|   |                     | EP-A- 0636019              | 01-02-95            |
|   |                     | WO-A- 9320795              | 28-10-93            |



## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB 96/00632

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | US,A,5 248 495<br>(T.S.PATTERSON,A.CEDENO,J.G.DUVALL) 28<br>September 1993<br>see claim 1<br>see column 4, line 35-68<br>see column 5, line 5-68<br>----- | 1,10-13,<br>16,17     |

## PATENT COOPERATION TREATY

## PCT

REC'D 08 JUL 1997

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT



WIPO PCT

(PCT Article 36 and Rule 70)

|   |   |  |
|---|---|--|
| Applicant's or agent's file reference<br><b>CPW 50075/WO</b>                                    | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |  |
| International application No.<br><b>PCT/GB 96/ 00632</b>  | International filing date ( <i>day/month/year</i> )<br><b>19/03/1996</b>  | Priority date ( <i>day/month/year</i> )<br><b>04/04/1995</b> |
| International Patent Classification (IPC) or national classification and IPC<br><b>A61K7/50</b> |   |  |
| Applicant<br><b>IMPERIAL CHEMICAL INDUSTRIES PLC et al.</b>                                     |   |  |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 3 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
- These annexes consists of a total of \_\_\_\_\_ sheets.

3. This report contains indications and corresponding pages relating to the following items:
- I ☒ Basis of the report
  - II ☐ Priority
  - III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - IV ☐ Lack of unity of invention
  - V ☐ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - VI ☐ Certain documents cited
  - VII ☐ Certain defects in the international application
  - VIII ☐ Certain observations on the international application

|   |  |
|---|--|
| Date of submission of the demand<br><b>14/10/1996</b>   | Date of completion of this report<br><b>04. 07. 97</b>   |
| Name and mailing address of the IPEA/<br> European Patent Office<br>D-80298 Munich<br>Tel. (+49-89) 2399-0, Tx: 523656 epmu d<br>Fax: (+49-89) 2399-4465 | Authorized officer<br><br>G. Weber<br>Telephone No. |

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

## I. Basis of the report

1. This report has been drawn up on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

☒ the international application as originally filed.

☐ the description, pages \_\_\_\_\_, as originally filed,  
pages \_\_\_\_\_, filed with the demand,  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the claims, Nos. \_\_\_\_\_, as originally filed,  
Nos. \_\_\_\_\_, as amended under Article 19,  
Nos. \_\_\_\_\_, filed with the demand,  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the drawings, sheets/fig \_\_\_\_\_, as originally filed,  
sheets/fig \_\_\_\_\_, filed with the demand,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

☐ the description, pages \_\_\_\_\_.  
☐ the claims, Nos. \_\_\_\_\_.  
☐ the drawings, sheets/fig \_\_\_\_\_.

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

4. Additional observations, if necessary:

The claims filed as "possible revised claims" with letter of 06.11.96 have not been considered as request to replace the claims as filed.

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III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

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The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of:

☒ the entire international application,

☐ claims Nos. \_\_\_\_\_

because:

☐ the said international application, or the said claims Nos. \_\_\_\_\_ relate to the following subject matter which does not require an international preliminary examination (specify):

☒ the description, claims or drawings (indicate particular elements below) or said claims Nos. \_\_\_\_\_ are so unclear that no meaningful opinion could be formed (specify):

The various definitions of the invention given in independent claims 1, 2, 6, 7, 18 and 19 are such that the claims as a whole are not clear and concise, contrary to Article 6 PCT. The claims should be recast to include only the minimum necessary number of independent claims in any one category with dependent claims as appropriate.

A requirement of Article 6 PCT is that the claims shall be concise. The requirement of conciseness refers to the claims in their entirety as well as to the individual case. Several independent claims of one category may not conflict the requirements of conciseness if its appropriate. Whether it is appropriate or not should be based on technical questions. In the present case there are no technical issues responsible for several independent claims in one category (e.g. an invention could lie in an improvement of two separate but interrelated articles which may be sold separately, but each carry out the same inventive idea).